

WHAT IS CLAIMED IS:

1. ~~A display unit having a communication control~~  
circuit for communicating with an externally connected  
computer, wherein said communication control circuit  
5 comprises:

comparing means for comparing a first identification  
information which is previously stored in said display unit,  
and a second identification information which is previously  
stored in said computer and is sent from said computer; and

10 a communication permission means for enabling display  
control by said computer and permitting communication between  
said computer and said display unit with respect to display  
control of said display unit, when said first and second  
identification information match as a result of the comparison  
15 by said comparing means.

2. A display unit according to claim 1, wherein said  
first identification information is stored in a memory in said  
display unit.

20 3. A display unit according to claim 1, wherein said  
first and second identification information include an  
identification number.

4. A display unit having a communication control

circuit for communicating with an externally connected  
computer, wherein said communication control circuit  
comprises:

5 comparing means for comparing a first identification  
information which is previously stored in said display unit,  
and a second identification information which is previously  
stored in said computer and is sent from said computer; and

10 a reception permission means for enabling control of a  
display size/position of said display unit by said computer  
and permitting reception of a control command from said  
computer for controlling at least the display size/position of  
said display unit, when said first and second identification  
information match as a result of the comparison by said  
comparing means.

15 5. A display unit according to claim 4, wherein said  
control command further includes information for controlling a  
display brightness/contrast.

20 6. A display unit according to claim 4, wherein said  
control command is generated within said computer, based upon  
a command inputted from an input means connected to said  
computer.

7. A display unit according to claim 6, wherein said

input means is a keyboard.

8. A display unit according to claim 4, wherein said first identification information is stored in a memory in said display unit.

5 9. A display unit according to claim 4, wherein said first and second identification information include an identification number.

10 10. A display unit for displaying an image based upon a digital image information signal, inputting said digital image information signal from an externally connected computer, comprising:

15 comparing means for comparing a first identification information which is previously stored in said display unit, and a second identification information which is previously stored in said computer and is sent from said computer; and

20 a communication permission means for enabling display control by said computer and permitting communication between said computer and said display unit with respect to display control of said display unit, when said first and second identification information match as a result of the comparison by said comparing means.

11. ~~A display unit according to claim 10, wherein said~~  
digital image information signal is inputted to said display  
unit through a transmission cable, and said second  
identification information is inputted to said display unit  
5 through said transmission cable.

12. A display unit according to claim 10, wherein said  
first and second identification information include an  
identification number.

13. A display unit for displaying an image based upon a  
10 digital image information signal, inputting said digital image  
information signal from an externally connected computer,  
comprising:

15 comparing means for comparing a first identification  
information which is previously stored in said display unit,  
and a second identification information which is previously  
stored in said computer and is sent from said computer; and

a communication prohibition means for disabling control  
of said memory means by said computer and prohibiting  
communication between said computer and said memory means of  
20 said display unit when said first and second identification  
information do not match as a result of the comparison by said  
comparing means.

14. ~~A display unit according to claim 13, wherein said~~  
digital image information signal is inputted to said display  
unit through transmission cable, and said second  
identification information is inputted to said display unit  
5 through said transmission cable.

15. A display unit according to claim 13, wherein said  
first and second identification information include an  
identification number.

16. A display unit for displaying an image based upon an  
10 image signal inputted from an externally connected computer,  
comprising:

memory means for storing an identification number for  
making said computer recognize that said display unit is  
communicatable with said computer; and

15 a communication control means for sending said  
identification number stored in said memory means to said  
computer.

17. A display unit according to claim 16, wherein said  
identification number is recognized by said computer when  
20 communication with said computer starts.

18. A display unit for displaying an image based upon an

~~image signal inputted from an externally connected computer,~~  
comprising:

memory means for storing an identification number for making said computer recognize that said display unit is communicatable with said computer; and

a communication control means for sending said identification number stored in said memory means to said computer in response to power on of at least one said display unit and said computer.

19. A display unit according to claim 18, wherein said identification number is recognized by said computer when communication with said computer starts.

20. A display unit for displaying an image based upon an image signal inputted from an externally connected computer, comprising:

a memory which stores an identification number for making said computer recognize that said display unit is communicatable with said computer; and

a communication controller connected to said memory which sends said identification number stored in said memory to said computer.

21. A display unit for displaying an image based upon an

~~image signal inputted from an externally connected computer,~~  
comprising:

a memory which stores an identification number for making  
said computer recognize that said display unit is  
5 communicatable with said computer; and

a communication controller which sends said  
identification number stored in said memory to said computer  
in response to power on of at least one of said display unit  
and said computer.

10 22. A method of communicating between a display unit and  
a video source from which video signals are sent to the  
display unit for display, the method comprising the steps of:

communicating display unit information stored in a memory  
of the display unit from the display unit to the video source,  
15 wherein said display unit information includes an  
identification number for uniquely identifying the display  
unit; and

sending a signal from the video source to the display  
unit, wherein said signal is generated based on the display  
20 unit information.

23. The method according to claim 22, wherein the video  
source is a computer.

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Sub B1 24. ~~A display unit comprising:~~

means for receiving video signals for video display from a video source;

memory means for storing at least display unit information, wherein said display unit information includes identifying information of the display unit; and

a communication controller capable of bi-directionally communicating with the video source;

wherein said communication controller communicates the display unit information to the video source and the display unit receives a signal from the video source that is generated based on at least a portion of the display unit information.

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25. A display unit according to claim 24, wherein the video source is a computer.

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26. A display unit according to claim 24, wherein the identifying information includes an identification number for uniquely identifying the display unit.

Sub B2 27. ~~A display unit comprising:~~

a video circuit adapted to display video signals sent by a video source;

a memory in which at least display unit information is stored, wherein said display unit information includes



~~identifying information of the display unit; and~~

a communication controller capable of bi-directionally communicating with the video source;

wherein said communication controller communicates the display unit information from the display unit to the video source and said display unit receives a signal from said video source that is generated based on at least a portion of the ~~display unit information.~~

<sup>5</sup> 28. A display unit according to claim <sup>4</sup> 27, wherein the video source is a computer.

<sup>6</sup> 29. A display unit according to claim <sup>4</sup> 27, wherein the identifying information includes an identification number for uniquely identifying the display unit.

30. ~~A method of communicating between a display unit and~~  
a video source from which video signals are sent to the display unit for display, the method comprising the steps of:

communicating display unit information stored in a memory of the display unit from the display unit to the video source, wherein said display unit information includes identifying information of the display unit; and

sending a signal from the video source to the display unit, wherein said signal is generated based on at least a

~~portion of the display unit information.~~

31. The method according to claim 30, wherein the video  
~~source is a computer.~~

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32. ~~The method according to claim 30, wherein~~  
5 information is bi-directionally communicated with the video  
~~source and the display unit.~~

33. ~~A display unit according to claim 30, wherein the~~  
identifying information includes an identification number for  
~~uniquely identifying the display unit.~~

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